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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/538,330

05/18/2006

Rune Freyer

2006-IP-019699 U1 USA

1607

49431 7590 07/16/2009
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EXAMINER

ANDREWS, DAVID L

ART UNIT

PAPER NUMBER

3672

MAIL DATE

DELIVERY MODE

07/16/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/538,330	Applicant(s) FREYER, RUNE	
	Examiner David Andrews	Art Unit 3672	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 April 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 6-8 and 10-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-8 and 10-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 6/10/2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The amendment filed 4/22/2009 has been entered.

Response to Arguments

Applicant's arguments filed 4/22/2009 have been fully considered but they are not persuasive. Applicant asserts that Lembcke et al. do not disclose the claim as amended because the reference does not disclose a through-going opening positioned between an inner and outer surface in combination with a slit extending between the opening and the outer surface of the packer prior to actuation of the packer. The examiner disagrees. Lembcke et al. disclose that the accommodation (16) for the line may not just be a groove but may also be a longitudinal bore (col. 2, lines 51-52). Lembcke et al. do not teach that by changing the groove to a longitudinal bore would remove any other features (i.e. the slits of figs 1a, 2a). Therefore, the teaching of Lembcke et al. of a longitudinal bore in combination with the longitudinally split sides (figs 1a, 2a, col. 2, lines 54-57) does result in a packer having a through-going opening between an inner and outer surface, with a slit extending between the opening and the outer surface, as claimed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 6-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Lembcke et al. (US 6,173,788). Lembcke et al. disclose a cable duct device comprising: a packer adapted for sealing an annulus; at least one through-going opening positioned between an inner surface and an outer surface of the packer and adapted to constitute a duct for a cable or pipe (col. 2, lines 48-57); a slit extending between the through-going opening and an outer surface of the packer prior to actuation of the packer (col. 2, lines 48-57; a longitudinal bore as described must be provided with a slit in order to allow positioning of the cable as taught for groove 14; or alternatively, the split sealing element "longitudinally split" with the cable positioned in the gaps or longitudinal bore as described would provide the duct and the slit); wherein the packer seals about a cable positioned in the through going opening when the packer is actuated (fig 2); wherein the packer extends lengthwise in a longitudinal direction, wherein the through going opening extends longitudinally through the packer, and wherein a cable extends longitudinally through the opening (figs 1-3).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4, 10-12 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lembcke et al. (US 6,173,788) in view of Laflin et al. (US 4,137,970). Lembcke et al. disclose a cable duct device in a swellable packer comprising (and as applied to claim 6 above): a swellable packer (12) of the kind in which the packer is adapted for sealing an annulus; at least one through going opening positioned between an inner surface and an outer surface of the packer adapted to constitute a duct for a cable (16, col. 2, lines 51-57; longitudinal bore or the longitudinal split gap); a slit extending between the through-going opening and an outer surface of the packer prior to actuation of the packer (col. 2, lines 51-57; the description of a longitudinal bore instead of a groove or the longitudinally split segments would both provide an opening connected with the outer surface by a slit prior to actuation of the packer); wherein the opening encloses the cable prior to and after the swelling has occurred (col. 2, lines 51-54); wherein the opening may variable longitudinal extension or variable cross-section (these features are considered obvious over the disclosure of Lembcke since one of ordinary skill in the art being enabled to produce the device of Lembcke would also be enabled to provide the opening as any dimensions a particular application may require). Lembcke et al. also disclose a method of extending a cable longitudinally through a packer comprising: providing a swellable packer including a seal material having an opening extending longitudinally through the seal material, and a longitudinal slit extending between the opening and an external surface of the packer and inserting a

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cable through the slit (fig 1) and swelling the seal to cause the seal to seal about the cable in the opening (fig 2).

Lembcke et al. do not disclose the seal material as swelling and increasing in volume in response to contact with a swell-activating material. Laflin et al. disclose a packer including a seal material which swells and thereby increases in volume in response to contact with a swell-activating material (col. 3, lines 16-19) wherein the swell activating material comprises water (col. 3, lines 56-62). It would have been obvious to one of ordinary skill in the art at the time of invention to replace the seal of Lembcke et al. with the swellable material of Laflin et al. since the Laflin et al. suggest such a substitution (col. 3, lines 63+) and it has been held that the substitution of a known element for another to obtain predictable results is obvious to one of ordinary skill.

Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lembcke et al. (US 6,173,788) in view of Freyer (WO 02/20941). Lembcke et al. disclose a method of extending a cable longitudinally through a packer comprising: providing a swellable packer including a seal material having an opening extending longitudinally through the seal material, and a longitudinal slit extending between the opening and an external surface of the packer prior to actuation of the packer (col. 2, lines 48-57 describe embodiments which require such) and inserting a cable through the slit (fig 1) and swelling the seal to cause the seal to seal about the cable in the opening (fig 2). Lembcke et al. do not disclose the seal material as swelling and

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increasing in volume in response to contact with a swell-activating material, wherein the material comprises hydrocarbons. Freyer discloses a packer material which swells by absorption of hydrocarbons to form an annular wellbore seal (abstract). It would have been obvious at the time of invention to substitute the hydrocarbon absorbing packer material of Freyer for the packer material of Lembcke et al. to arrive at the instant invention since the simply substitution of one known element for another to obtain predictable results has been held as obvious to one of ordinary skill.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Andrews whose telephone number is (571)272-6558. The examiner can normally be reached on M-F, 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on (571)272-6558. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David J. Bagnell/
Supervisory Patent Examiner, Art Unit 3672

DLA
7/13/09